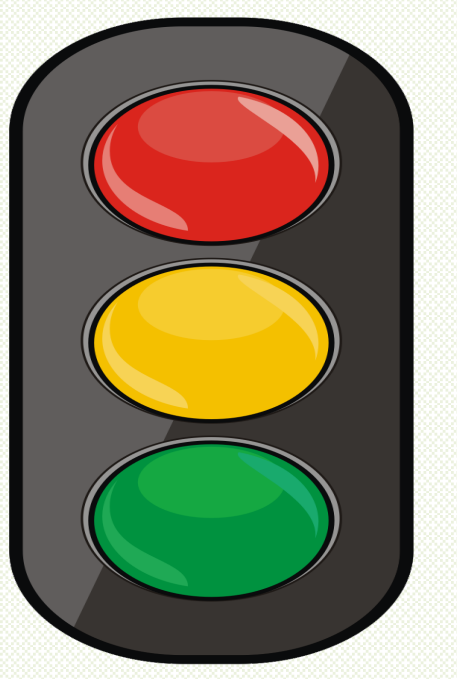




OBJECTIVE

Introduction of the **BSOTS system** (Birmingham Symptom-specific Obstetric Triage System) to a tertiary level hospital split across two main sites and aim to :

- Improve **quality of triage assessment**.
- Aid **timely triage review**.
- Use a **standardized approach** and shared language.
- To **improve** unit through-put and **patient safety**.

DESIGN

Prospective audit was conducted to **ensure compliance** to BSOTS principles of a brief and prompt assessment of women within 15 minutes of attendance and allocation of a category of urgency using BSOTS algorithms and to **evaluate the outcome of implementation**.

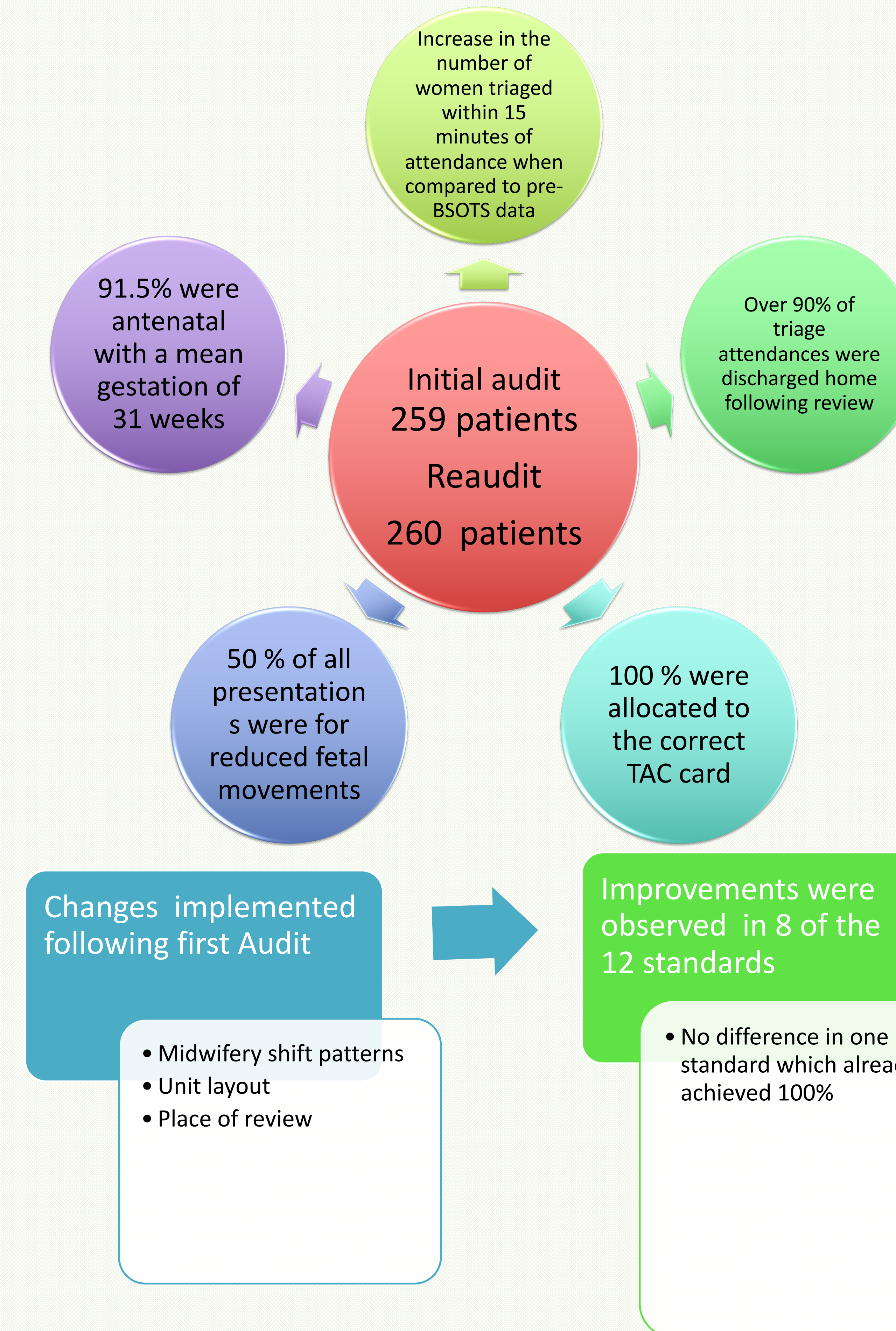
Audit was undertaken at **4 months** and **11 months** following introduction.

METHOD

- Random sample** of 10 % of monthly attendances to maternity triage.
- 12 standards** included which align with BSOTS targets.

BSOTS TARGET	Compliance At 4 months (December 2020)	Compliance At 11 months (July 2021)	Improvement Seen
Standard 1 Triage within 15 mins	63.3%	44.6%	No
Standard 2 Allocation to 8 specific TAC	100%	100%	Same
Standard 3 Level of urgency assigned	88.4%	90.4%	Yes
Standard 4 Women defined as RED reviewed immediately	No data	100%	Yes
Standard 5 Women defined as ORANGE reviewed within 15 mins	60%	41.2%	No
Standard 6 Women defined as YELLOW reviewed within 1 hour	69.3%	52.1%	No
Standard 7 Women defined as GREEN reviewed within 4 hours	89.4%	90.9%	Yes
Standard 8 RED or ORANGE women in Treatment room	No data	59.6%	Yes
Standard 9 RED Women reviewed by senior Obstetric/ Anaesthetic Staff	No data	100%	Yes
Standard 10 ORANGE women reviewed by ST3-7 or above	12.7%	56%	Yes
Standard 11 YELLOW or GREEN reviewed by ST1-2 or above	62.1%	94.7% and 100%	Yes
Standard 12 All data completed on the TAC	7.7%	42.7%	Yes

RESULTS



CONCLUSIONS

- Overall, the **BSOTS principles** are **being applied correctly** and the system being used as it was designed to be.
- It was successfully implemented whilst facing the **challenges of a global pandemic**.
- There has been no increase in unit footprint or staffing numbers yet overall, there is **notable improvement in the work organization and practices** including clinical prioritization by level of urgency, communication at handover, and standardization of care for women in high-risk categories.

Improvements reflect

- Ongoing education
- Familiarity and understanding of the BSOTS system amongst staff
- Enhanced documentation
- Improved recognition of clinical urgency
- Encouragement of upward escalation for review